

Docket No. 248573US0/hc



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Hiroshi HAGINO

SERIAL NO: 10/771,527

GAU:

FILED: February 5, 2004

EXAMINER:

FOR: VASODILATOR PHARMACEUTICAL PREPARATION AND HEALTH FOOD COMPOSITION

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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DOCKET NO.: 248573US0/hc

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FOOD COMPOSITION

**STATEMENT OF RELEVANCY**

Reference AO on Form PTO-1449:

**Japanese Patent No. 3197547**

The invention described in Japanese Patent No. 3197547 relates to the food and drink having activity of improving blood flow which contains collagen peptides as an effective ingredient. The food and drink of the invention is useful for prevention and treatment of myocardial infarction, etc. Collagen peptides can be obtained by acid- or enzyme-hydrolyzing the collagen or gelatin obtained from cattle or swine.

The functional mechanism of the improvement of blood flow in this invention is not clear. However, it seems that collagen peptides in this invention act on the blood cell components (such as erythrocytes, leucocytes, platelets) so as to give deformability, thereby blood flow is improved. That is, if the blood cell components have low deformability with disease or aging, the large resistance to flowing generates, as a result, the blood flow is decreased. So, blood flow can be improved by increasing deformability.

Reference AP on Form PTO-1449:

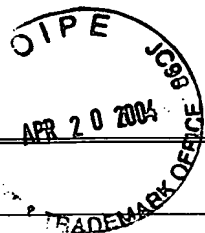
**JP-A-07-233191**

The invention described in JP-A-07-233191 relates to the saponin shown in formula 1 and to the external preparations for skin, the bath agents and the drink-and-foods containing the above saponin. The saponin of this invention is a new saponin obtained from woundwort which is a beefsteak plant and have a effect for improving blood flow.

Reference AQ on Form PTO-1449:

Japanese Patent No. 2732056

The invention described in Japanese Patent No. 2732056 relates to the composition effective as hypotensive drug and vasodilator containing peptide DAN-100 derived from sardines. There are the descriptions that the above peptide is a new peptide and its elemental analysis value, molecular weight, specific rotatory power, solubility, etc. are also described



Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 248573US0		SERIAL NO. 10/771,527	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hiroshi HAGINO			
				FILING DATE February 5, 2004		GROUP	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	3197547	08/13/2001	JAPAN		X	
	AP	7-233191	09/05/1995	JAPAN		X	
	AQ	2732056	03/25/1998	JAPAN		X	
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							